



# **2015**

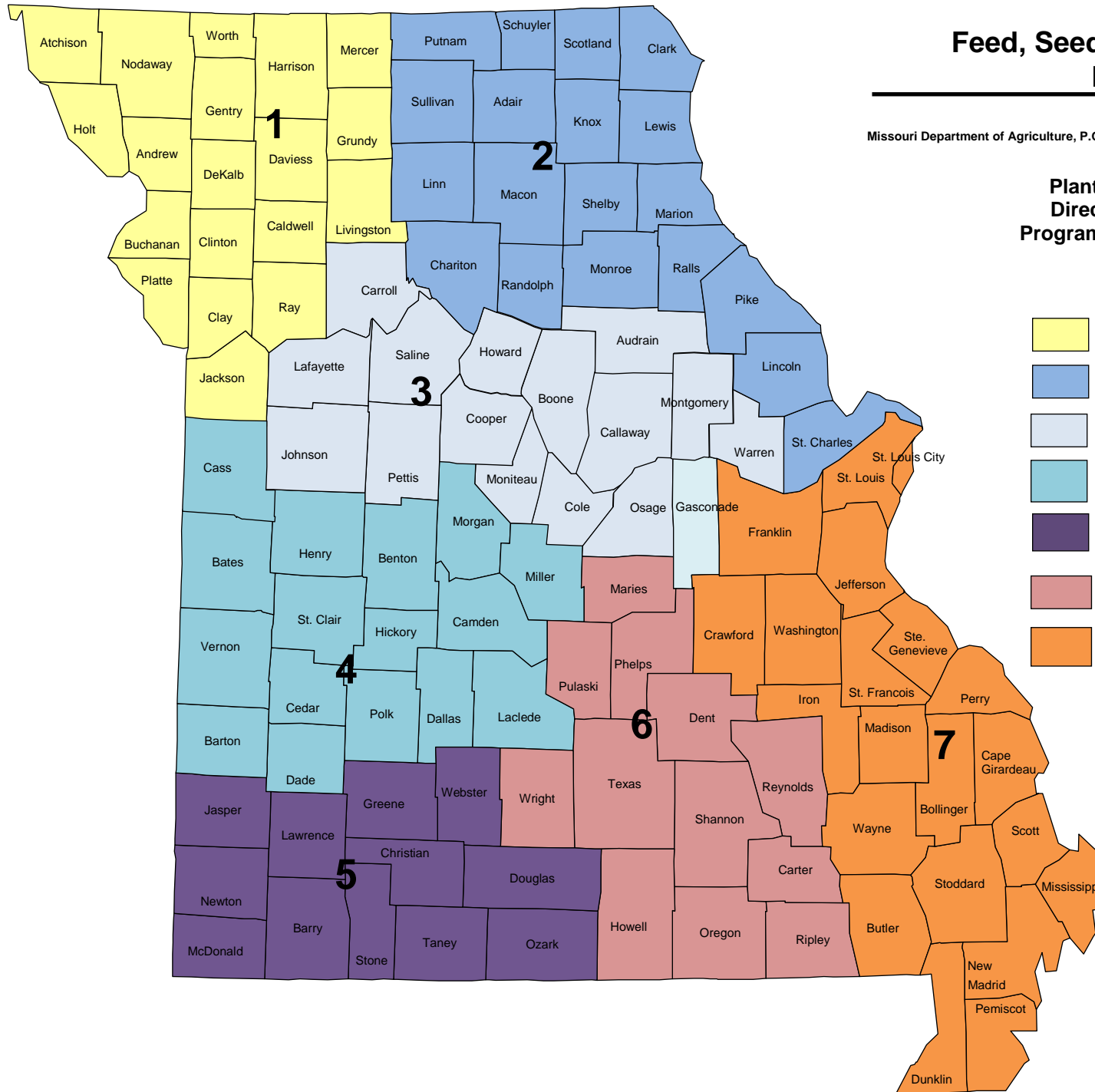
## **SEED SUMMARY REPORT INSPECTION RESULTS**

**PLANT INDUSTRIES DIVISION  
BUREAU OF FEED, SEED, AND TREATED TIMBER**

# Feed, Seed and Treated Timber Inspectors

Missouri Department of Agriculture, P.O. Box 630, 1616 Missouri Boulevard, Jefferson City, MO 65102

**Plant Industries Division**  
**Director - Judy Grundler**  
**Program Manager – Stan Cook**  
**(573) 751-5501**



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- Ken Disselhorst
- Aaron Baugh
- Ethan Willis
- Mike Harter
- Devin Hart
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**Missouri Department of Agriculture**  
**Mission Statement**

To serve, promote, and protect the agricultural producers, processors, and consumers of Missouri's food, fuel, and fiber products.

## **FOREWORD**

The 2015 Seed Summary report is comprised of two sections.

Section one is intended to show the reliability of labelers in meeting their claims for seed quality. Inspections listed in this section were random, with no intentional bias, for the purpose of providing a means of comparing each labeler's reliability in meeting claims. The greater the number of samples taken per labeler, the greater the probability that the consistency in meeting claims shown will represent the labeler's actual performance.

Section two is comprised of selective inspections designed specifically to curtail labeling and licensing violations of the Missouri Seed Law. Examples of violations are selling seed without a permit, selling seed out of test date, and labeling omissions or inconsistencies with the law.

Stop sales are debited to the labeler if a discrepancy from the labeler's claim is found. If a lot of seed is found offered for sale past the time allowed on the existing germination test date, that violation is charged against the possessor of the seed. Violations recorded against the possessor of the seed are listed in section two.

All inspections were performed to fulfill the regulatory responsibilities given by the Missouri Department of Agriculture by the Missouri Seed Law, Statute Sections 226.011 through 266.111 (RSMo 2000).

## **INTRODUCTION**

The Missouri Department of Agriculture, Plant Industries Division, Bureau of Feed, Seed, and Treated Timber is pleased to publish the 2015 Seed Summary Report and Inspection Results.

In 2015, the bureau officially sampled and tested 2302 lots of seed. As a result of seed failing to meet its labeled guarantees, 107 stop-sale orders were issued. This resulted in a compliance rate of 95.35 percent compared to 96.59 percent in 2014.

The Missouri Seed Control Laboratory tested 417 service samples in 2015. A total of official and service samples were tested in 2015 resulting in a total of 2409 individual tests performed.

All seed retailers are required to have their seed retested for germination every 10 months (counting the month the seed was retested.) Seed lots found to be out of test date will be placed on stop sale order until the seed has been retested and a new test date and germination rate is placed on the label or the seed is disposed of in an acceptable manner.

The Bureau of Feed, Seed and Treated Timber offers many seed sampling and seed testing services. The charges for analysis and analytical reports on seed samples are listed in the Missouri Seed Law Rules 2CSR 70-35.050.

For more information concerning the services offered by the Bureau of Feed, Seed, and Treated Timber, contact the feed and seed inspector in your area or contact:

**Missouri Department of Agriculture  
Plant Industries Division  
P.O. Box 630  
Jefferson City, MO 65102**

**Email: [FSTT@mda.mo.gov](mailto:FSTT@mda.mo.gov)  
(573) 751-5474 Office; (573) 751-5500 Office Fax  
(573) 751-4340 Seed Laboratory; (573) 526-7777 Seed Laboratory Fax**

**Or visit our Web site at <http://agriculture.mo.gov/>**

## **BUREAU OF FEED, SEED AND TREATED TIMBER**

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### SAMPLES ANALYZED FOR 2015

<b>OFFICIAL SAMPLES ANALYZED</b>			<b>2,302</b>
	<b>Purity</b>	<b>446</b>	
	<b>Noxious Weed</b>	<b>616</b>	
	<b>Germination</b>	<b>2606</b>	
	<b>Retests Performed</b>	<b>204</b>	
<b>TOTAL NUMBER OF LOTS IN VIOLATION</b>			<b>107</b>
<b>TOTAL OFFICIAL TESTS PERFORMED</b>			<b>3,872</b>
<b>COMPLIANCE RATE OF OFFICIAL SAMPLES ANALYZED</b>			<b>95.35%</b>
<b>SERVICE SAMPLES ANALYZED</b>			<b>407</b>
	<b>Purity</b>	<b>30</b>	
	<b>Noxious Weed</b>	<b>26</b>	
	<b>Germination</b>	<b>417</b>	
	<b>Endophyte</b>	<b>0</b>	
	<b>Pure Live Seed</b>	<b>0</b>	
	<b>TZ</b>	<b>0</b>	
	<b>Seed Count per pound</b>	<b>67</b>	
	<b>Cold Test (S/B)</b>	<b>0</b>	
	<b>Other</b>	<b>0</b>	
<b>TOTAL SERVICE SAMPLE TESTS PERFORMED</b>			<b>540</b>
<b>TOTAL SAMPLES FOR 2015</b>			<b>2,302</b>
<b>TOTAL TESTS PERFORMED FOR 2015</b>			<b>4412</b>
<b>SEED PERMITS ISSUED FOR 2015</b>			<b>4031</b>

Information on samples, inspection of seeds, or service samples is available from the Bureau of Feed, Seed, and Treated Timber, 115 Constitution Drive, Jefferson City, Missouri, 65109 or by calling (573) 751-5474.

## **SUBMITTING SERVICE SAMPLES**

### **Testing period for free seed analysis:**

June 1 through August 31

November 1 through January 15

### **Testing period for charges on seed analysis:**

January 16 through May 31

September 1 through October 31

### **Purity charges:**

One cultivar	\$12.00
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More than one cultivar in same sample	\$18.00
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Seed having less than 90 percent pure seed	\$10.00/hour
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<b>Germination charges (highly chaffy grasses, excluded)</b>	<b>\$12.00</b>
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### **Other testing charges:**

TZ	\$25.00
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Highly chaffy seed	\$10.00/hour
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Highly chaffy germ	\$14.00
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Endophyte from seed	\$20.00
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Noxious and Prohibited weed seed	\$12.00
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Complete Test (Including Purity, Germination, and Noxious Weeds)	\$36.00
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## **CRITERIA FOR OBTAINING A SERVICE SAMPLE**

Forward your seed in containers adequate to protect the sample.

Without proper sampling technique, test will not reflect true quality of the seed.

### **Bulk lot seeds:**

Take a sample from several places.

Mix the seed samples thoroughly.

Make a composite sample.

### **Bagged lot seeds:**

Take sample from approximately 10 percent of the bags.

Mix the seed samples thoroughly.

Make a composite sample.

### **Size of sample needed for testing:**

TYPE OF SEED	SAMPLE SIZE
Large Seeds (corn, soybean, wheat, etc.)	Quart
Highly chaffy seeds (bromegrass, switchgrass, canarygrass, bluestem)	Quart
Small seeds (grass seed, legumes, clover, alfalfa, etc.)	Pint
Vegetable Seeds	100 seed minimum

## **SEED ANALYSIS SERVICE SAMPLE APPLICATION**

Submit seed samples with request for analysis to: **State Seed Control Laboratory  
Department of Agriculture  
115 Constitution Drive (65109)  
P.O. Box 630 (65102)  
Jefferson City, MO**

**PLEASE PRINT OR TYPE THE FOLLOWING INFORMATION:**

Date \_\_\_\_\_

Lot number or ID of seed \_\_\_\_\_ Kind of seed \_\_\_\_\_

**Check the following analysis to be run:**

Free\_\_\_\_\_

**Charge**\_\_\_\_\_ (see page 6 for free & charge times)

Germination \_\_\_\_\_

Purity \_\_\_\_\_

Noxious or prohibited  
weed seed content \_\_\_\_\_

Other (please specify) \_\_\_\_\_

Person planting this seed \_\_\_\_\_ Phone \_\_\_\_\_

**Address** \_\_\_\_\_  
(Route/Street No.) (P.O. Box)

(City)	(State)	(Zip)
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# **SECTION ONE**

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
AG PARTNERS COOPERATIVE, INC, HIAWATHA (0028YA)										
	Wheat	2	2	0		0	0	0	0	0
Compliance Rate:	100.0%	2	2	0		0	0	0	0	0
AGRIGENETICS INC DBA MYCOGEN SEEDS, INDIANAPOLIS (0022JO)										
	Mixture	4	4	0		0	0	0	0	0
	Soybean	11	10	1		1	0	0	0	0
Compliance Rate:	93.3%	15	14	1		1	0	0	0	0
AMTURF ENTERPRISES, JEFFERSON (002398)										
	Mixture	2	2	0		0	0	0	0	0
Compliance Rate:	100.0%	2	2	0		0	0	0	0	0
BAKER CREEK HEIRLOOM SEEDS, MANSFIELD (0025V7)										
	Beet	2	2	0		0	0	0	0	0
	Broccoli	2	2	0		0	0	0	0	0
	Cabbage	2	2	0		0	0	0	0	0
	Carrot	3	3	0		0	0	0	0	0
	Cauliflower	2	2	0		0	0	0	0	0
	Lettuce	2	2	0		0	0	0	0	0
	Okra	2	2	0		0	0	0	0	0
	Onion	2	2	0		0	0	0	0	0
	Oriental Greens	2	2	0		0	0	0	0	0
	Spinach	2	2	0		0	0	0	0	0
Compliance Rate:	100.0%	21	21	0		0	0	0	0	0
BARENBRUG USA, TANGENT (002ABQ)										
	Bluegrass, Kentucky	1	0	1		1	0	0	0	0
	Mixture	35	29	6		6	0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi- nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
		Rape	1	1	0		0	0	0	0
Compliance Rate:	81.1%		37	30	7		7	0	0	0
BAYER CROPSCIENCE, LUBBOCK (002AM3)										
		Cotton	5	5	0		0	0	0	0
Compliance Rate:	100.0%		5	5	0		0	0	0	0
BELT FUR WOOL & SEED CO, LEONARD (0025GX)										
		Soybean	1	1	0		0	0	0	0
Compliance Rate:	100.0%		1	1	0		0	0	0	0
BIG COB HYBRIDS, SEWARD (002AKD)										
		Soybean	2	2	0		0	0	0	0
Compliance Rate:	100.0%		2	2	0		0	0	0	0
BONIDE PRODUCTS INC., ORISKANY (00234P)										
		Mixture	1	0	1		1	0	0	0
Compliance Rate:	0.0%		1	0	1		1	0	0	0
BUCHHEIT INC, PERRYVILLE (002240)										
		Ryegrass, Perennial	1	1	0		0	0	0	0
Compliance Rate:	100.0%		1	1	0		0	0	0	0

					Type of Violation					
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
<b>BWI COMPANIES, TEXARKANA (002AC0)</b>										
	Mixture	1	0	1		1	0	0	0	0
<b>Compliance Rate:</b>	<b>0.0%</b>	<b>1</b>	<b>0</b>	<b>1</b>		<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>BWI COMPANIES INC, SPRINGFIELD (0023AD)</b>										
	Fescue, Tall	1	1	0		0	0	0	0	0
	Mixture	4	4	0		0	1	0	0	0
	Rye	1	1	0		0	0	0	0	0
	Ryegrass, Annual	3	3	0		0	0	0	0	0
<b>Compliance Rate:</b>	<b>100.0%</b>	<b>9</b>	<b>9</b>	<b>0</b>		<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>BYRON SEEDS LLC, ROCKVILLE (002GCM)</b>										
	Clover, Red	1	1	0		0	0	0	0	0
<b>Compliance Rate:</b>	<b>100.0%</b>	<b>1</b>	<b>1</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CACHE RIVER VALLEY, CASH (002AC2)</b>										
	Rice	10	10	0		0	0	0	0	0
<b>Compliance Rate:</b>	<b>100.0%</b>	<b>10</b>	<b>10</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CENTRAL STATES WHOLESALE, PERRYVILLE (0027F8)</b>										
	Fescue, Tall	2	0	2		1	1	0	0	0
	Ryegrass, Perennial	1	1	0		0	0	0	0	0
<b>Compliance Rate:</b>	<b>33.3%</b>	<b>3</b>	<b>1</b>	<b>2</b>		<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>CHANNEL BIO, LLC, ST LOUIS (0025AZ)</b>										
	Mixture	5	5	0		0	0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
		Soybean	5	5	0		0	0	0	0
Compliance Rate:	100.0%		10	10	0		0	0	0	0
CHARTER SEED CO, NAMPA (002C8A)										
		Bush Green Bean	1	0	1		1	0	0	0
Compliance Rate:	0.0%		1	0	1		1	0	0	0
DAVIS SEED CO., MORAVIA (0022K2)										
		Soybean	1	1	0		0	0	0	0
Compliance Rate:	100.0%		1	1	0		0	0	0	0
DEER CREEK SEED INC, ASHLAND (002AMH)										
		Mixture	3	3	0		0	0	0	0
Compliance Rate:	100.0%		3	3	0		0	0	0	0
DELTA GROW SEED, ENGLAND (002AC4)										
		Soybean	3	3	0		0	0	0	0
Compliance Rate:	100.0%		3	3	0		0	0	0	0
DISCOUNT SEEDS INC, WATERTOWN (0023F0)										
		Oat	3	3	0		0	0	0	0
		Rye	3	3	0		0	0	0	0
Compliance Rate:	100.0%		6	6	0		0	0	0	0
DLF INTERNATIONAL SEEDS INC, HALSEY (002397)										
		Bluegrass, Kentucky	1	0	1		1	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
	Fescue, Tall	1	1	0		0	0	0	0	0
	Mixture	1	1	0		0	0	0	0	0
Compliance Rate:	66.7%	3	2	1		1	0	0	0	0
<b>DOW AGRO SCIENCES, INDIANAPOLIS (0001CQ)</b>										
	Soybean	33	29	4		4	0	0	0	0
Compliance Rate:	87.9%	33	29	4		4	0	0	0	0
<b>EARL MAY SEED &amp; NURSERY, SHENANDOAH (002229)</b>										
	Carrot	1	1	0		0	0	0	0	0
	Lettuce	1	1	0		0	0	0	0	0
	Turnip	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%	3	3	0		0	0	0	0	0
<b>ELITE SEED LLC, GRAHAM (002H0J)</b>										
	Soybean	11	11	0		0	0	0	0	0
Compliance Rate:	100.0%	11	11	0		0	0	0	0	0
<b>GRASS PAD WAREHOUSE, OLATHE (002AFW)</b>										
	Mixture	4	3	1		0	1	0	0	0
Compliance Rate:	75.0%	4	3	1		0	1	0	0	0
<b>GREEN SEED COMPANY, SPRINGFIELD (0023BA)</b>										
	Alfalfa	8	8	0		0	0	0	0	0
	Barley	1	1	0		0	0	0	0	0
	Beet, Sugar	1	1	0		0	0	0	0	0
	Bermudagrass	9	9	0		0	0	0	0	0
	Bluegrass, Kentucky	4	3	1		1	0	0	0	0
	Brome, Smooth	2	2	0		0	0	0	0	0
	Buckwheat	2	2	0		0	0	0	0	0
	Chicory	2	2	0		0	0	0	0	0



						Type of Violation				
						Germi- nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
						Lots Inspected	Lots Passed	Lots In Violation		
	Chufa	1	1	0		0	0	0	0	0
	Clover, Alsike	1	1	0		0	0	0	0	0
	Clover, Arrowleaf	1	1	0		0	0	0	0	0
	Clover, Crimson	5	5	0		0	0	0	0	0
	Clover, Ladino White	4	4	0		0	0	0	0	0
	Clover, Red	17	17	0		0	0	0	0	0
	Clover, Sweet Yellow	4	4	0		0	0	0	0	0
	Clover, White	5	5	0		0	0	0	0	0
	Cowpea	3	3	0		0	0	0	0	0
	Crabgrass	1	1	0		0	0	0	0	0
	Fescue, Red	2	2	0		0	0	0	0	0
	Fescue, Tall	33	30	3		0	1	1	0	2
	Hairy Vetch	1	1	0		0	0	0	0	0
	Lab Lab	1	1	0		0	0	0	0	0
	Lespedeza	3	3	0		0	0	0	0	0
	Lespedeza, Korean	3	3	0		0	0	0	0	0
	Lovegrass, Weeping	2	2	0		0	0	0	0	0
	Millet	2	2	0		0	0	0	0	0
	Millet, Browntop	3	3	0		0	0	0	0	0
	Millet, German Foxtail	2	2	0		0	0	0	0	0
	Millet, Japanese	1	1	0		0	0	0	0	0
	Millet, Pearl	2	2	0		0	0	0	0	0
	Mixture	12	11	1		0	2	0	0	0
	Oat	19	19	0		0	0	0	0	0
	Orchardgrass	16	13	3		2	1	0	0	0
	Pea	2	2	0		0	0	0	0	0
	Radish, Forage	4	4	0		0	0	0	0	0
	Rape	2	2	0		0	0	0	0	0
	Redtop	1	1	0		0	0	0	0	0
	Rye	15	15	0		0	0	0	0	0
	Ryegrass	1	1	0		0	0	0	0	0
	Ryegrass, Annual	23	23	0		0	0	0	0	0
	Ryegrass, Perennial	10	10	0		0	0	0	0	0
	Sorghum	4	3	1		1	0	0	0	0
	Sorghum-Sudangrass Hybrid	8	5	3		3	0	0	0	0
	Soybean	5	2	3		3	0	0	0	0
	Sudangrass	1	1	0		0	0	0	0	0
	Teff	2	2	0		0	0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
	Timothy	1	1	0		0	0	0	0	0
	Trefoil, Birdsfoot	1	1	0		0	0	0	0	0
	Triticale	1	1	0		0	0	0	0	0
	Vetch, Common	1	1	0		0	0	0	0	0
Compliance Rate:	94.1%		255	240	15		10	4	1	0
GREEN VALLEY SEED LLC, KAHOKA (0022XK)										
	Alfalfa	1	1	0		0	0	0	0	0
	Clover, Red	1	1	0		0	0	0	0	0
	Fescue, Tall	1	1	0		0	0	0	0	0
	Millet, German Foxtail	1	1	0		0	0	0	0	0
	Millet, Japanese	1	1	0		0	0	0	0	0
	Oat	4	4	0		0	0	0	0	0
	Reed Canarygrass	1	1	0		0	0	0	0	0
	Rye	3	3	0		0	0	0	0	0
	Ryegrass, Annual	1	1	0		0	0	0	0	0
	Soybean	3	3	0		0	0	0	0	0
	Trefoil	1	1	0		0	0	0	0	0
	Turnip	2	2	0		0	0	0	0	0
Compliance Rate:	100.0%		20	20	0		0	0	0	0
GREENBUSH SEED & SUPPLY, GREELEY (002DX7)										
	Mixture	2	2	0		0	0	0	0	1
Compliance Rate:	100.0%		2	2	0		0	0	0	1
GROWMARK, INC, BLOOMINGTON (002ADC)										
	Clover, Ladino White	1	1	0		0	0	0	0	0
	Soybean	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		2	2	0		0	0	0	0
HUMMERT SEEDS, ST JOSEPH (0022DP)										
	Bean, Garden	3	3	0		0	0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
	Bean, Pinto	1	1	0		0	0	0	0	0
	Beet	1	1	0		0	0	0	0	0
	Cabbage	1	1	0		0	0	0	0	0
	Collards	1	0	1		1	0	0	0	0
	Corn, Sweet	6	6	0		0	0	0	0	0
	Cucumber	3	3	0		0	0	0	0	0
	Lettuce	1	1	0		0	0	0	0	0
	Okra	1	1	0		0	0	0	0	0
	Pea, Garden	2	2	0		0	0	0	0	0
	Radish	2	2	0		0	0	0	0	0
	Tomato	2	2	0		0	0	0	0	0
	Watermelon	1	1	0		0	0	0	0	0
Compliance Rate:	96.0%	25	24	1		1	0	0	0	0
HUNDLEY SEED CO, CHAMPLAIN (002AB8)										
	Barley	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%	1	1	0		0	0	0	0	0
HURT SEED CO, HALLS (0023FV)										
	Wheat	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%	1	1	0		0	0	0	0	0
JAY A TURNER, COLUMBIA (0022B8)										
	Clover, Red	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%	1	1	0		0	0	0	0	0
JOHNNYS SELECTED SEEDS, WINSLOW (002B73)										
	Broccoli Raab (Turnip Broccoli)	1	1	0		0	0	0	0	0
	Lettuce	1	1	0		0	0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi- nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
		Spinach	1	1	0		0	0	0	0
Compliance Rate:	100.0%		3	3	0		0	0	0	0
JORDAN SEEDS INC, WOODSBURY (002B74)										
		Beet	1	1	0		0	0	0	0
		Mustard, Spinach	1	1	0		0	0	0	0
		Spinach	1	1	0		0	0	0	0
Compliance Rate:	100.0%		3	3	0		0	0	0	0
LA CROSSE FORAGE & TURF SEED LLC, LA CROSSE (002AMJ)										
		Clover, Red	1	1	0		0	0	0	0
Compliance Rate:	100.0%		1	1	0		0	0	0	0
LESCO INC., CLEVELAND (002227)										
		Mixture	3	3	0		0	0	0	0
Compliance Rate:	100.0%		3	3	0		0	0	0	0
LOVELAND PRODUCTS, GREELEY (00229G)										
		Cotton	1	1	0		0	0	0	0
		Mixture	3	3	0		0	0	0	0
		Soybean	8	7	1		1	0	0	0
		Wheat	1	1	0		0	0	0	0
Compliance Rate:	92.3%		13	12	1		1	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
MBS GENETICS LLC, STORY CITY (0022K4)										
		Soybean	7	7	0		0	0	0	0
Compliance Rate:	100.0%		7	7	0		0	0	0	0
MFA INC. SEED DIVISION, COLUMBIA (0022B1)										
		Alfalfa	12	12	0		0	0	0	0
		Bluegrass, Kentucky	2	2	0		0	0	0	0
		Brome, Smooth	1	1	0		0	0	0	0
		Clover	1	1	0		0	0	0	0
		Clover, Alsike	1	1	0		0	0	0	0
		Clover, Crimson	2	2	0		0	0	0	0
		Clover, Ladino White	1	1	0		0	0	0	0
		Clover, Red	4	4	0		0	0	0	0
		Clover, Sweet Yellow	1	1	0		0	0	0	0
		Clover, White	2	2	0		0	0	0	0
		Corn, Field	2	2	0		0	0	0	0
		Fescue, Red	1	1	0		0	0	0	0
		Fescue, Tall	16	15	1		0	0	1	0
		Lespedeza, Korean	1	1	0		0	0	0	0
		Millet, Japanese	1	1	0		0	0	0	0
		Millet, Pearl	1	1	0		0	0	0	0
		Mixture	20	18	2		2	0	0	0
		Orange Coneflower	1	1	0		0	0	0	0
		Orchardgrass	5	4	1		0	0	0	1
		Pea, Field	2	2	0		0	0	0	0
		Radish	2	2	0		0	0	0	0
		Radish, Forage	2	2	0		0	0	0	0
		Rape	1	1	0		0	0	0	0
		Reed Canarygrass	1	1	0		0	0	0	0
		Ryegrass	1	1	0		0	0	0	0
		Ryegrass, Annual	3	3	0		0	0	0	0
		Ryegrass, Perennial	5	5	0		0	0	0	0
		Sorghum-Sudangrass Hybrid	2	2	0		0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
	Soybean	33	32	1		1	0	0	0	0
	Timothy	3	3	0		0	0	0	0	0
	Trefoil, Birdsfoot	1	1	0		0	0	0	0	0
	Turnip	2	2	0		0	0	0	0	0
	Turnip Rape	1	1	0		0	0	0	0	0
	Wheat	2	2	0		0	0	0	0	0
	Wheat, Red	2	2	0		0	0	0	0	0
Compliance Rate:	96.4%	138	133	5		3	0	1	0	1
MFA SEED DIST, SEDALIA (0024JM)										
	Brome, Smooth	1	1	0		0	0	0	0	0
	Clover, Ladino White	1	1	0		0	0	0	0	0
	Clover, Red	2	2	0		0	0	0	0	0
	Fescue	1	1	0		0	0	0	0	0
	Fescue, Red	1	1	0		0	0	0	0	0
	Fescue, Tall	10	9	1		0	0	1	0	0
	Oat	1	1	0		0	0	0	0	0
	Orchardgrass	2	2	0		0	0	0	0	1
	Ryegrass, Perennial	1	1	0		0	0	0	0	0
	Turnip	1	1	0		0	0	0	0	0
Compliance Rate:	95.2%	21	20	1		0	0	1	0	1
MISSOURI DEPARTMENT OF AGRICULTURE, JEFFERSON CITY (0027MZ)										
	Soybean	1	0	1		1	0	0	0	0
Compliance Rate:	0.0%	1	0	1		1	0	0	0	0
MISSOURI SOUTHERN SEED, ROLLA (0024KK)										
	Alfalfa	8	8	0		0	0	0	0	0
	Balansa Clover	1	1	0		0	0	0	0	0
	Beet, Sugar	1	1	0		0	0	0	0	0
	Bermudagrass	2	2	0		0	0	0	0	0
	Bluegrass, Kentucky	6	6	0		0	0	0	0	0
	Brassica	2	2	0		0	0	0	0	0
	Brome, Smooth	3	3	0		0	0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi- nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
	Buckwheat	2	2	0		0	0	0	0	0
	Chicory	2	1	1		1	0	0	0	0
	Chufa	1	1	0		0	0	0	0	0
	Clover	4	4	0		0	0	0	0	0
	Clover, Alsike	3	3	0		0	0	0	0	0
	Clover, Crimson	6	6	0		0	0	0	0	0
	Clover, Ladino White	5	5	0		0	0	0	0	0
	Clover, Red	22	22	0		0	0	0	0	0
	Clover, Sweet	1	1	0		0	0	0	0	0
	Clover, White	3	3	0		0	0	0	0	0
	Cowpea	2	2	0		0	0	0	0	0
	Crabgrass	1	1	0		0	0	0	0	0
	Fescue	1	1	0		0	0	0	0	0
	Fescue, Red	1	1	0		0	0	0	0	0
	Fescue, Tall	42	41	1		0	1	0	0	1
	Festulolium	3	3	0		0	0	0	0	0
	Lespedeza	14	14	0		0	0	0	0	0
	Lespedeza, Korean	2	1	1		0	0	0	1	0
	Millet	2	2	0		0	0	0	0	0
	Millet, Browntop	1	1	0		0	0	0	0	0
	Millet, German Foxtail	2	2	0		0	0	0	0	0
	Millet, Japanese	3	3	0		0	0	0	0	0
	Mixture	30	27	3		3	0	0	0	0
	Oat	3	3	0		0	0	0	0	0
	Orchardgrass	13	12	1		1	0	0	1	0
	Pea, Field	5	5	0		0	0	0	0	0
	Radish	1	1	0		0	0	0	0	0
	Radish, Forage	8	8	0		0	0	0	0	0
	Rape	3	3	0		0	0	0	0	0
	Redtop	5	5	0		0	0	0	0	0
	Reed Canarygrass	1	1	0		0	0	0	0	0
	Rye	2	1	1		1	0	0	0	0
	Ryegrass, Annual	16	16	0		0	0	0	0	0
	Ryegrass, Intermediate	8	8	0		0	0	0	0	0
	Ryegrass, Perennial	10	9	1		0	1	0	0	0
	Sorghum	1	1	0		0	0	0	0	0
	Sorghum-Sudangrass Hybrid	1	1	0		0	0	0	0	0
	Sudangrass	1	1	0		0	0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
	Sunflower	2	2	0		0	0	0	0	0
	Teff	2	2	0		0	0	0	0	0
	Timothy	12	12	0		0	0	0	0	0
	Trefoil, Birdsfoot	6	6	0		0	0	0	0	0
	Turnip	7	7	0		0	0	0	0	0
	Vetch	2	2	0		0	0	0	0	0
Compliance Rate:	96.8%	285	276	9		6	2	0	2	1
MONSANTO COMPANY, ST LOUIS (00221V)										
	Corn, Field	3	3	0		0	0	0	0	0
	Cotton	2	2	0		0	0	0	0	0
	Mixture	22	22	0		1	0	0	0	0
	Soybean	491	488	3		3	0	0	0	0
Compliance Rate:	99.4%	518	515	3		4	0	0	0	0
MORGAN COUNTY SEEDS, BARNETT (00039X)										
	Arugula	1	1	0		0	0	0	0	0
	Bean, Dry	2	2	0		0	0	0	0	0
	Bean, Garden	1	1	0		0	0	0	0	0
	Bean, Navy	1	1	0		0	0	0	0	0
	Bean, Snap	23	21	2		2	0	0	0	0
	Beet	1	1	0		0	0	0	0	0
	Beet, Sugar	1	1	0		0	0	0	0	0
	Brussels-Sprouts	1	1	0		0	0	0	0	0
	Carrot	2	2	0		0	0	0	0	0
	Chicory	1	1	0		0	0	0	0	0
	Collards	1	1	0		0	0	0	0	0
	Corn	6	6	0		0	0	0	0	0
	Corn, Field	1	1	0		0	0	0	0	0
	Corn, Sweet	29	28	1		2	0	0	0	0
	Cress	1	1	0		0	0	0	0	0
	Cucumber	3	3	0		0	0	0	0	0
	Endive	1	1	0		0	0	0	0	0
	Fava Bean	1	1	0		0	0	0	0	0
	Garden Bean	1	1	0		0	0	0	0	0



						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi- nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
	Kale	2	2	0		0	0	0	0	0
	Lettuce	14	14	0		0	0	0	0	0
	Lima Bean	10	10	0		0	0	0	0	0
	Mixture	4	3	1		1	0	0	0	0
	Mustard	1	1	0		0	0	0	0	0
	Okra	4	3	1		1	0	0	0	0
	Pea, Garden	1	1	0		0	0	0	0	0
	Popcorn	6	5	1		1	0	0	0	0
	Radish	7	7	0		0	0	0	0	0
	Rhubarb	1	1	0		0	0	0	0	0
	Shell Pea	7	7	0		0	0	0	0	0
	Snap Pea	2	2	0		0	0	0	0	0
	Snow Pea	3	3	0		0	0	0	0	0
	Southern Pea	2	2	0		0	0	0	0	0
	Soybean	1	1	0		0	0	0	0	0
	Spinach	1	1	0		0	0	0	0	0
	Squash	1	1	0		0	0	0	0	0
	Squash, Autum-Winter	2	2	0		0	0	0	0	0
	Sweet Corn	3	2	1		1	0	0	0	0
	Turnip	4	4	0		0	0	0	0	0
	Watermelon	7	7	0		0	0	0	0	0
	Wax Bean	3	3	0		0	0	0	0	0
	Zucchini	2	2	0		0	0	0	0	0
Compliance Rate:	95.8%		166	159	7		8	0	0	0
MYCOGEN SEEDS, MARSHALLTOWN (002AD2)										
	Soybean	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		1	1	0		0	0	0	0
NECO SEEDS, GARDEN CITY (0022Q1)										
	Soybean	59	47	12		12	0	0	0	0
Compliance Rate:	79.7%		59	47	12		12	0	0	0

						Type of Violation					
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop	
NESEED, HARTFORD (002B72)											
	Cantaloupe	1	1	0		0	0	0	0	0	
Compliance Rate:	100.0%	1	1	0		0	0	0	0	0	
NIXA HARDWARE AND SEED CO, NIXA (0022WP)											
	Bluegrass, Kentucky	1	1	0		0	0	0	0	0	
	Clover, Alsike	1	0	1		0	0	1	0	0	
	Clover, Ladino White	1	1	0		0	0	0	0	0	
	Clover, Red	2	2	0		0	0	0	0	0	
	Crabgrass	1	1	0		0	0	0	0	0	
	Fescue, Tall	3	3	0		0	0	0	0	0	
	Hairy Vetch	1	1	0		0	0	0	0	0	
	Mixture	1	0	1		0	1	0	0	0	
	Orchardgrass	5	5	0		0	0	0	0	0	
	Pea, Field	1	1	0		0	0	0	0	0	
	Ryegrass, Annual	1	1	0		0	0	0	0	0	
	Sudangrass	1	1	0		0	0	0	0	0	
	Wheat, Red	1	1	0		0	0	0	0	0	
Compliance Rate:	90.0%	20	18	2		0	1	1	0	0	
PENNINGTON SEED INC, GREENFIELD (002335)											
	Bermudagrass	4	4	0		0	0	0	0	0	
	Fescue, Tall	29	29	0		0	0	0	0	0	
	Mixture	99	91	8		9	1	1	0	0	
	Ryegrass, Annual	3	3	0		0	0	0	0	0	
Compliance Rate:	94.1%	135	127	8		9	1	1	0	0	

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
PERFORMANCE SEED, ST CLOUD (0022Y3)										
	Mixture	2	2	0		0	0	0	0	0
Compliance Rate:	100.0%	2	2	0		0	0	0	0	0
PETRUS SEED & GRAIN CO INC, HAZEN (002AC9)										
	Oat	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%	1	1	0		0	0	0	0	0
PIONEER HI-BRED INTERNATIONAL, INC, JOHNSTON (00221B)										
	Alfalfa	1	1	0		0	0	0	0	0
	Mixture	4	4	0		0	0	0	0	0
	Soybean	214	214	0		0	0	0	0	0
	Wheat	2	2	0		0	0	0	0	0
Compliance Rate:	100.0%	221	221	0		0	0	0	0	0
PLANTATION PRODUCTS, NORTON (00221H)										
	Beet	1	1	0		0	0	0	0	0
	Brussels-Sprouts	1	1	0		0	0	0	0	0
	Carrot	4	4	0		0	0	0	0	0
	Celery	1	1	0		0	0	0	0	0
	Dill	1	1	0		0	0	0	0	0
	Kale	1	1	0		0	0	0	0	0
	Kohlrabi	1	1	0		0	0	0	0	0
	Leek	1	1	0		0	0	0	0	0
	Lettuce	8	8	0		0	0	0	0	0
	Mixture	4	4	0		0	0	0	0	0
	Mustard	1	1	0		0	0	0	0	0
	Mustard, India	1	1	0		0	0	0	0	0
	Onion	3	2	1		1	0	0	0	0
	Parsley	2	2	0		0	0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi- nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
	Radish	6	6	0		0	0	0	0	0
	Rutabaga	1	1	0		0	0	0	0	0
	Spinach	1	1	0		0	0	0	0	0
	Turnip	2	2	0		0	0	0	0	0
Compliance Rate:	97.5%		40	39	1		1	0	0	0
PLANTERS SEED CO, KANSAS CITY (0003N5)										
	Mixture	2	2	0		0	0	0	0	0
Compliance Rate:	100.0%		2	2	0		0	0	0	0
PRINCE CORPORATION, MARSHFIELD (002715)										
	Ryegrass, Perennial	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		1	1	0		0	0	0	0
PRODUCTION PLUS, PLAINVIEW (002AM5)										
	Sorghum-Sudangrass Hybrid	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		1	1	0		0	0	0	0
PROHARVEST SEEDS, ASHKUM (002ADF)										
	Soybean	5	4	1		1	0	0	0	0
Compliance Rate:	80.0%		5	4	1		1	0	0	0
PURDY FARM CENTER INC, PURDY (0003WC)										
	Wheat, Red	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		1	1	0		0	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
RICETEC INC, ALVIN (002AM4)										
		Rice	1	1	0		0	0	0	0
Compliance Rate:	100.0%		1	1	0		0	0	0	0
S & S SEED, STOCKTON (0022VK)										
		Alfalfa	1	1	0		0	0	0	0
		Bluegrass, Kentucky	1	1	0		0	0	0	0
		Buckwheat	1	1	0		0	0	0	0
		Clover	1	1	0		0	0	0	0
		Clover, Red	1	1	0		0	0	0	0
		Fescue, Tall	2	2	0		0	0	0	0
		Orchardgrass	1	1	0		0	0	0	0
		Pea, Field	1	1	0		0	0	0	0
		Radish, Forage	2	2	0		0	0	0	0
		Ryegrass	1	1	0		0	0	0	0
		Ryegrass, Annual	1	1	0		0	0	0	0
Compliance Rate:	100.0%		13	13	0		0	0	0	0
SCHILLINGER SEED INC, WEST DES MOINES (002AD4)										
		Soybean	6	0	6		6	0	0	0
Compliance Rate:	0.0%		6	0	6		6	0	0	0
SCOTTS COMPANY, MARYSVILLE (00223B)										
		Bermudagrass	1	1	0		0	0	0	0
		Mixture	14	12	2		2	0	0	0
Compliance Rate:	86.7%		15	13	2		2	0	0	0

						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi- nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
SEXAUER DISCOUNT FARM SERVICES INC., BROOKINGS (0023F1)										
	Triticale	2	0	2		2	0	0	0	0
Compliance Rate:	0.0%	2	0	2		2	0	0	0	0
SHAWNEETOWN FEED & SEED CO, JACKSON (00222Q)										
	Bush Green Bean	3	3	0		0	0	0	0	0
	Corn, Sweet	2	2	0		0	0	0	0	0
	Squash	1	1	0		0	0	0	0	0
	Turnip	2	2	0		0	0	0	0	0
Compliance Rate:	100.0%	8	8	0		0	0	0	0	0
SIEMER ENTERPRISES INC, TEUTOPOLIS (002GQA)										
	Fescue, Tall	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%	1	1	0		0	0	0	0	0
STINE SEED COMPANY INC, ADEL (0022JZ)										
	Soybean	2	1	1		1	0	0	0	0
Compliance Rate:	50.0%	2	1	1		1	0	0	0	0
STRAATMANN FEED STORE, LABADIE (0004C8)										
	Fescue, Tall	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%	1	1	0		0	0	0	0	0

						Type of Violation					
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop	
STRATTON SEED CO, STUTTGART (002AC8)											
		Soybean	1	1	0		0	0	0	0	
Compliance Rate:	100.0%		1	1	0		0	0	0	0	
SUR-GRO PLANT FOOD, PLATTSBURG (0004DN)											
		Mixture	1	1	0		0	0	0	0	
Compliance Rate:	100.0%		1	1	0		0	0	0	0	
SYNGENTA SEEDS INC, MINNEAPOLIS (00221W)											
		Corn, Field	4	4	0		0	0	0	0	
		Soybean	16	14	2		2	0	0	0	
Compliance Rate:	90.0%		20	18	2		2	0	0	0	
SYNGENTA SEEDS LLC, MINNETONKA (0022Y4)											
		Soybean	1	1	0		0	0	0	0	
Compliance Rate:	100.0%		1	1	0		0	0	0	0	
TRI-STAR SEED COMPANY, SPRING HILL (0022N3)											
		Bluegrass, Kentucky	3	2	1		1	0	0	0	
		Collards	1	1	0		0	0	0	0	
		Fescue, Tall	3	3	0		0	0	0	0	
		Lettuce	1	1	0		0	0	0	0	
		Mixture	9	6	3		3	1	0	0	
		Mustard	1	1	0		0	0	0	0	
		Pepper	1	1	0		0	0	0	0	
		Radish	1	1	0		0	0	0	0	

						Type of Violation					
		Lots Inspected	Lots Passed	Lots In Violation		Germi- nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop	
		Ryegrass, Annual	1	0	1		0	0	1	0	0
Compliance Rate:	76.2%		21	16	5		4	1	1	0	0
W ATLEE BURPEE CO, WARMINSTER (002235)											
		Broccoli	1	1	0		0	0	0	0	0
		Carrot	6	6	0		0	0	0	0	0
		Dill	2	2	0		0	0	0	0	0
		Kale	1	1	0		0	0	0	0	0
		Lettuce	10	10	0		0	0	0	0	0
		Mixture	3	3	0		0	0	0	0	0
		Mustard	1	1	0		0	0	0	0	0
		Onion	2	2	0		0	0	0	0	0
		Radish	5	5	0		0	0	0	0	0
		Spinach	5	5	0		0	0	0	0	0
		Swiss Chard	1	1	0		0	0	0	0	0
		Tomato	1	1	0		0	0	0	0	0
		Turnip	1	1	0		0	0	0	0	0
Compliance Rate:	100.0%		39	39	0		0	0	0	0	0
WHITETAIL INSTITUTE OF NORTH AMERICA, PINTLALA (002AC1)											
		Mixture	2	2	0		0	0	0	0	0
Compliance Rate:	100.0%		2	2	0		0	0	0	0	0
WILLHITE SEED INC, POOLVILLE (002B71)											
		Okra	1	1	0		0	0	0	0	0
		Southern Pea	2	2	0		0	0	0	0	0
Compliance Rate:	100.0%		3	3	0		0	0	0	0	0



						Type of Violation				
		Lots Inspected	Lots Passed	Lots In Violation		Germi-nation	Pure Seed	Noxious Weeds	Weed Seed	Other Crop
WILLIAMS LAWN SEED CO, MARYVILLE (0024F0)										
	Bluegrass, Kentucky	1	1	0		0	0	0	0	0
	Fescue, Tall	1	1	0		0	0	0	0	0
	Mixture	6	6	0		0	0	0	0	0
Compliance Rate:	100.0%	8	8	0		0	0	0	0	0
WINFIELD SOLUTIONS LLC, ST PAUL (00222A)										
	Soybean	5	4	1		1	0	0	0	0
Compliance Rate:	80.0%	5	4	1		1	0	0	0	0
X-SEED LLC, CLEAR LAKE (0022Y7)										
	Mixture	7	5	2		2	0	0	0	0
Compliance Rate:	71.4%	7	5	2		2	0	0	0	0
Overall Totals:		2302	2195	107		94	12	6	2	6

## **SECTION TWO**

### **VIOLATIONS OF SEED LOTS FOR REASONS OTHER THAN CONTENT CLAIMS**

**VIOLATIONS ON SEED LOTS FOR REASONS  
OTHER THAN CONTENTS CLAIMS**

Company	Reason Field Written Stop Sale was Issued	Number of Violations
Frieling Ag Solutions Bunceton, Mo.,	No seed permit	1
Headings Brothers Buffalo, Mo.	Product not labeled.	1